

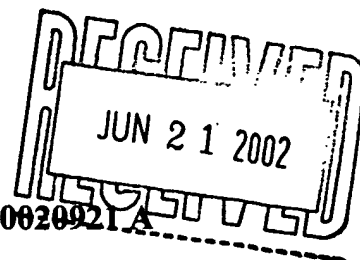


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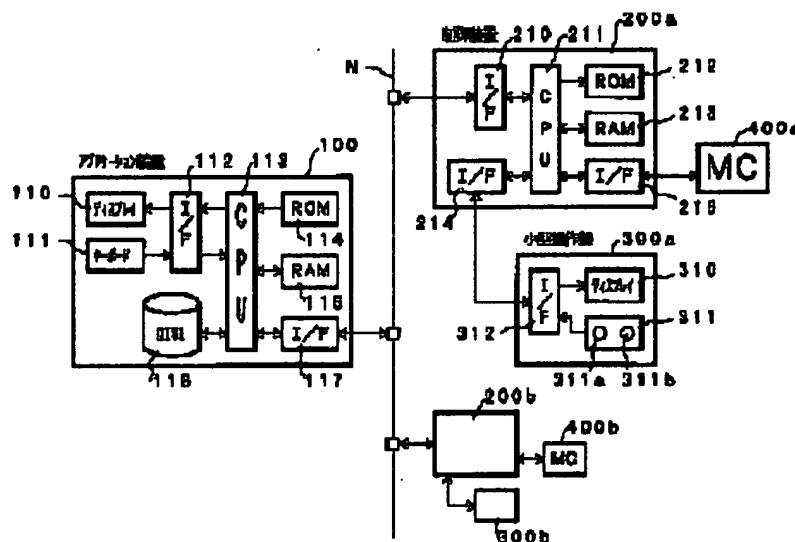
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CONTROLLER

(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a numerical controller which is small in size and can perform multifunctional processing by separating a control part which controls the operation of a machine and an application part which sets data to the control part and monitors its control state from each other and connecting the both together by a communication means.

**SOLUTION:** An application device 100 sets data and monitors a control state, control units 200a and 200b controls the operation of the machine according to an NC program sent from the application device 100, and small-sized console panels 300a and 300b start and stop the control units 200a and 200b in emergency. Here, the application device 100 and control units 200a and 200b are connected by a network N such as a serial communication to send and receive various data. Then CPUs 211 of the control units 200a and 200b perform NC control over numerically controlled machine tools 400a and 400b.



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